ELECTRONIC DEVICE SHARING CONTENT WITH AN EXTERNAL DEVICE AND METHOD FOR SHARING CONTENT THEREOF

PRIORITY

[0001] This application claims priority under 35 U.S.C. 119(a) to Korean Patent Application No. 10-2016-0089046, filed in the Korean Intellectual Property Office (KIPO) on Jul. 14, 2016, and Korean Patent Application No. 10-2015-0144700, filed in the KIPO on Oct. 16, 2015, the disclosures of which are incorporated herein by reference in their entireties.

BACKGROUND

[0002] 1. Field of the Disclosure

[0003] The present disclosure relates generally to an electronic device sharing content and a method for sharing the content, and more particularly, to a method for transmitting content from an electronic device to an external device and a method for sharing the content.

[0004] 2. Description of the Related Art

[0005] With the development of a wired and wireless communication networks, it has become possible to interconnect electronic devices that display a screen to output visibly recognizable data.

[0006] Accordingly, diverse data may be transmitted and received between the electronic devices through a wired or wireless communication network. For example, a first electronic device and a second electronic device may share a screen, and a content sharing method, such as, for example, mirroring, streaming, or the like.

[0007] As an example, according to the mirroring method, a screen of the first electronic device may be compressed and then transmitted to the second electronic device. The second electronic device may decompress and display the screen.

[0008] As another example, according to the streaming method, compressed image content in the first electronic device may be transmitted to the second electronic device. The second electronic device may decompress and display the image content.

[0009] The content sharing method is developing rapidly with improvements in wired and wireless connection methods, such as, for example, a cable or wireless-fidelity (Wi-Fi). Specifically, the content sharing method is being developed so as to be applied to all kinds of electronic devices with a screen, such as, for example, portable computers including a laptop personal computer (PC), a netbook PC, and a tablet PC, portable terminals including a smart phone and a personal digital assistant (PDA), and a television (TV).

[0010] The content sharing method may be used when a user wishes to view content through a larger screen of the second electronic device, instead of a small screen of the first electronic device.

[0011] In this case, the user may be inconvenienced by several steps that the user is required to complete to share the content.

[0012] For example, when there are two second electronic devices capable of sharing the content, the user must determine and select one device suitable for sharing the content from the two second electronic devices.

SUMMARY

[0013] The present disclosure has been provided to address at least the above problems and/or disadvantages and to provide at least the advantages described below. Accordingly, an aspect of the present disclosure provides the user with a content sharing method with intuitiveness and usability such that the first and second electronic devices may share content.

[0014] According to an embodiment of the present disclosure, a method is provided for sharing content between an electronic device and an external device. A web document including pieces of content is received. At least one piece of content executable in the external device is determined from among the pieces of content based on corresponding types of the pieces of content and function information of the external device. Information on the at least one piece of content is transmitted to the external device.

[0015] According to another embodiment of the present disclosure, an electronic device is provided sharing content with an external device. The electronic device includes a communicator configured to communicate with the external device. The electronic device also includes a display configured to display a web document including pieces of content. The electronic device further includes a processor configured to determine at least one piece of content executable in the external device from among the pieces of content based on corresponding types of the pieces of content and function information of the external device, and transmit information on the at least one piece of content to the external device through the communicator.

[0016] According to another embodiment of the present disclosure, an article of manufacture is provided for sharing content between an electronic device and an external device. The article of manufacture includes a non-transitory machine readable medium containing one or more programs which when executed implement the steps of receiving a web document comprising pieces of content, determining at least one piece of content executable in the external device from among the pieces of content based on corresponding types of the pieces of content and function information of the external device, and transmitting information on the at least one piece of content to the external device.

BRIEF DESCRIPTION OF DRAWINGS

[0017] The above and other aspects, features, and advantages of the present disclosure will be more apparent from the following detailed description when taken in conjunction with the accompanying drawings, in which:

[0018] FIG. **1** is a diagram illustrating an electronic device sharing content with an external device, according to an embodiment of the present disclosure;

[0019] FIG. **2** is a block diagram illustrating a structure of an electronic device, according to an embodiment of the present disclosure;

[0020] FIG. **3** is a block diagram illustrating a structure of an electronic device, according to another embodiment of the present disclosure;

[0021] FIG. **4** is a diagram illustrating a configuration of software stored in an electronic device, according to an embodiment of the present disclosure;

[0022] FIGS. **5** to **13** are diagrams illustrating electronic devices sharing content, according to an embodiment of the present disclosure;